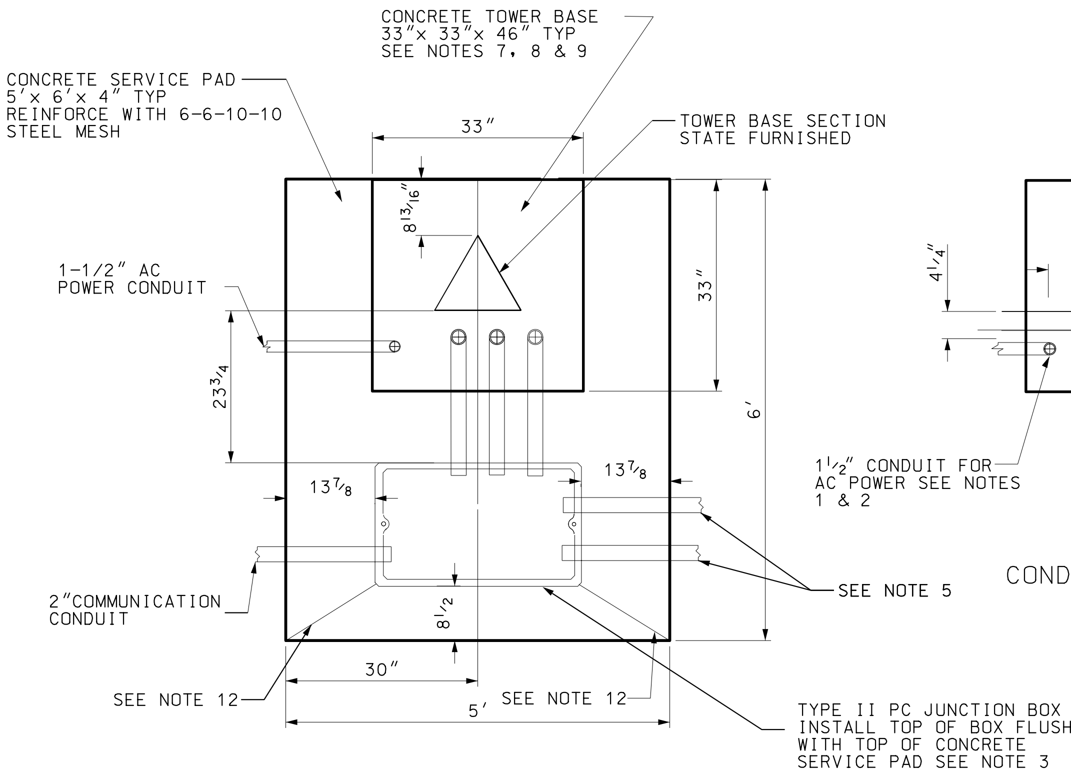
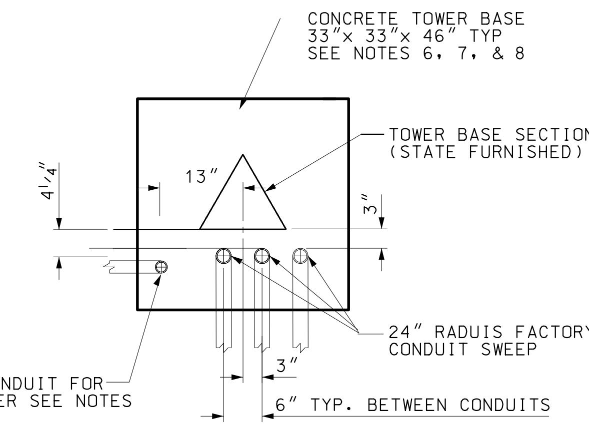
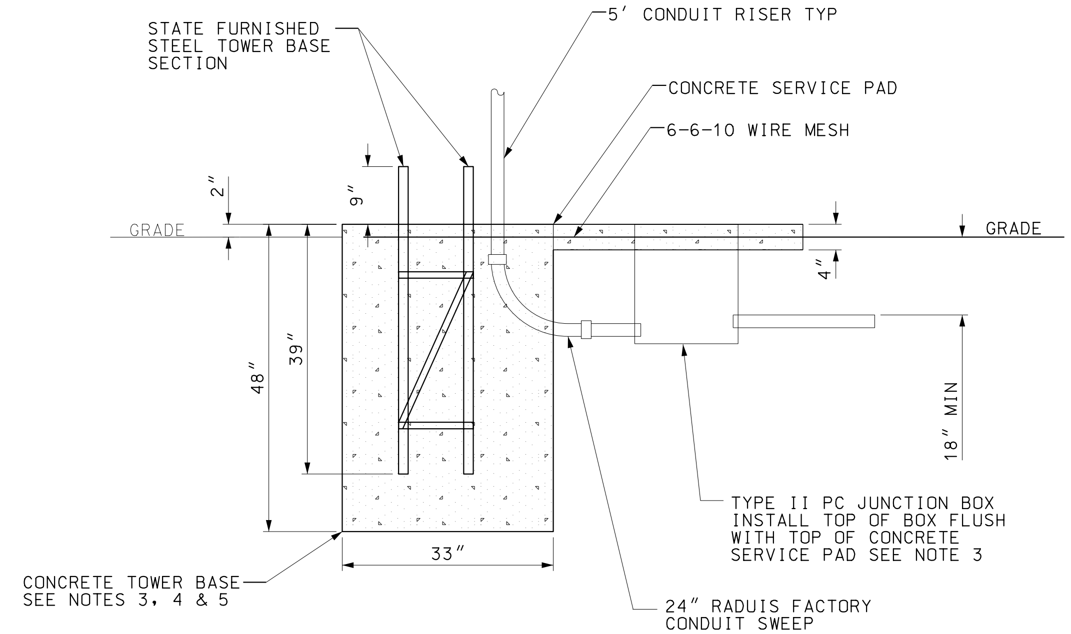


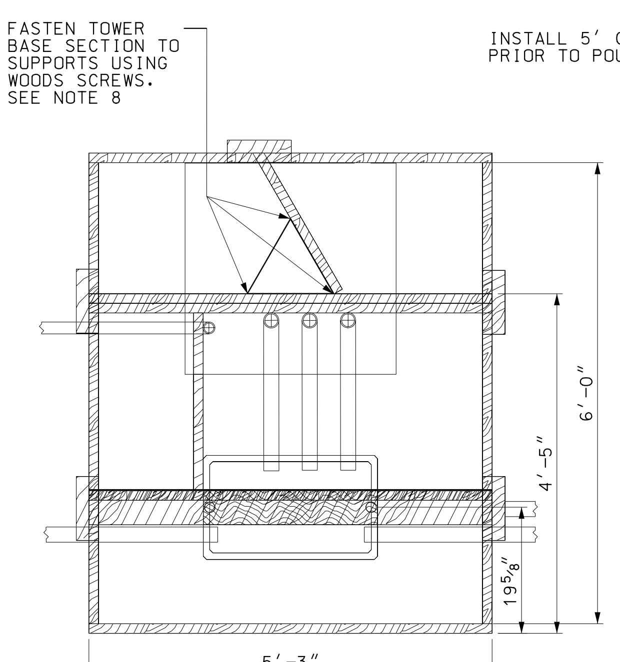
A
AT 16
RWIS TOWER BASE AND SERVICE
PAD INSTALLATION DETAIL

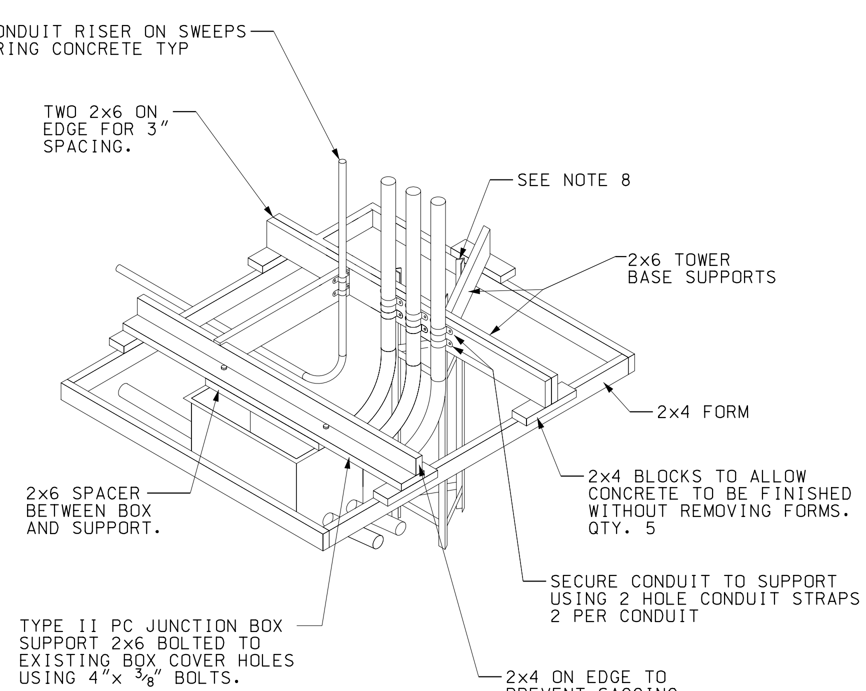


TYPICAL
CONDUIT LOCATION
DETAIL



B
AT 16
RWIS TOWER BASE AND SERVICE
PAD INSTALLATION DETAIL
LEFT SIDE VIEW





C
AT 16
RWIS TOWER BASE AND SERVICE
PAD CONCRETE FORM DETAIL

NOTES:

1. STUB OUT 1 1/2" POWER SERVICE INTO TYPE I POLYMER CONCRETE JUNCTION BOX.
2. CONDUIT LOCATIONS SHOWN ARE FOR A SQUARE D TYPE D SAFETY SWITCH, CATALOG # D221NRB.
3. INSTALL POLYMER CONCRETE JUNCTION BOXES AS PER STD DWG AT 7.
4. INSTALL ALL CONDUITS IN TOWER BASE CONCRETE TO PERMIT CONTINUATION TO RWIS ENCLOSURE.
5. STUB OUT 2" CONDUIT FROM POLYMER CONCRETE JUNCTION BOX TO BEYOND SERVICE PAD FOR SENSOR CABLES. ORIENT TOWARD NEXT JUNCTION BOX AS APPROPRIATE.
6. CONCRETE, MINIMUM CLASS AA(AE).
7. ALL SENSOR CABLES INSTALLED TO POLYMER CONCRETE JUNCTION BOX AND PULLED THROUGH 2" DIAMETER, 24" RADIUS, 90 DEGREE SWEEP FACTORY CONDUIT INTO RWIS ENCLOSURE.
8. LEVEL THE TOP OF THE TOWER BASE SECTION TO ASSURE A STRAIGHT AND PLUMB TOWER INSTALLATION.
   THE TOP OF THE TOWER BASE MUST BE 9" ABOVE THE CONCRETE PAD.
9. FINISH CONCRETE TO DRAIN WATER.
10. THE FORM DETAIL SHOWN IS TYPICAL FOR A FLAT SURFACE INSTALLATION. MODIFY AS APPROPRIATE FOR FIELD CONDITIONS.
11. CONTRACTOR IS RESPONSIBLE FOR INCORRECTLY INSTALLED OR DAMAGED STATE FURNISHED EQUIPMENT AND MATERIALS.
12. WHEN FINISHING CONCRETE SCORE A LINE FROM THE CORNER OF THE BOX TO THE CORNER OF THE CONCRETE FOR AN EXPANSION JOINT.

REVISIONS

NO.	DATE	APPR.	REMARKS
1	2/24/05	S.S.	REVISED NOTES AND DETAIL TITLES. TITLE CHANGED.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — FEB.24,2005 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED
DEPUTY DIRECTOR — FEB.24,2005 DATE

RWIS TOWER BASE AND SERVICE PAD LAYOUT

STANDARD DRAWING TITLE

STD DWG
AT 16

DGN File: N:\Esd\Standard Drawings\Imperial\2005Approved\xChange1Approved\at16.dgn
14-MAR-2005